

# Daniel Bocash

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## Education

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**University of New Hampshire**, Bachelors in Computer Science August 2022 – May 2025

**NHTI, Concord's Community College**, Associates in Information Technology: Graduated May 2022  
Software Development

## Experience

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**Senior Developer**, UNH Interoperability Lab – Durham, New Hampshire Nov 2023 – Present

- A lead developer on the new PTP protocol testing tool written in Java
- Automated testing for network speeds up to 400G using a Python Flask REST interface to control a Java-based testing tool, with Ixia generating traffic
- Managed test tool upkeep via Jira and Confluence for ticketing and documentation
- Developed expertise in networking protocols and conducted AVNU certification testing

**Test Engineer**, UNH Interoperability Lab - Durham, New Hampshire May 2023 - Nov 2023

- Created test scripts for AVNU certification using Java
- Conducted testing of Automotive and Pro-AV bridge embedded devices

**Digital Support Assistant**, UNH - Reasearch Computing Center – Remote Nov 2022 – Jun 2023

- Developed websites for the USNH system using Drupal
- Collaborated with team members via Microsoft Teams
- Managed customer interactions through a help desk ticketing system

**Software Development Internship**, The Metal Corp – Remote Oct 2021 – Jul 2022

- Developed customer interfaces for CRM integration using SQL Server, Postman, and C#
- Participated in development meetings, contributing to design tasks
- Assisted the development team in completing business requirements and design tasks

## Projects

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### Palmer Gas & Oil Usage Data:

- Developed a propane usage, weather data, and smart thermostat temperature tracking system for customers
- Uses TypeScript, NodeJS, and Kendo UI for frontend development
- Backend built with .NET C# APIs, handling data requests and storage
- SQL Server used for data management

**Technologies Used:** TypeScript, NodeJS, KendoUI, C#, SQL Server, Postman, Azure Devops, Gitlab

## Technologies

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**Languages:** C, C#, Java, Python, SQL, HTML, CSS, JavaScript, TypeScript, React

**Software:** Json, Jira, Confluence, Jenkins, Cloud Software, .NET, AWS, Azure, Android Studio, Microsoft SQL Server, Postman, Git